



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D5373-11
Job Sheet 166342



Part No: D5373-11

Job Qty: 10 ea

Part Name: Oil Drain Line



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 9/30/17

Job Tracking No:

Due Date: 10/31/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG REV D SHEET 3 IPP REV:A 17.05.17 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	10 pcs	10/30/17	10/30/17	0.00	0.00	Purchasing		
110	Packaging	10 pcs	10/30/17	10/30/17	0.00	0.00	Packaging2		
120	QC	10 pcs	10/30/17	10/30/17	0.00	0.00	QC6		
121	CNC Vertical Machining	10 pcs	10/30/17	10/30/17	0.00	6.58	HAAS 1		
122	QC	10 pcs	10/30/17	10/30/17	0.00	0.00	QC2		
123	QC	10 pcs	10/30/17	10/30/17	0.00	0.00	QC8		
130	Small Fab	10 pcs	10/31/17	10/31/17	0.00	0.58	Small Fab		M OUE
140	QC	10 pcs	10/31/17	10/31/17	0.00	0.00	QC5		38
150	Packaging	10 pcs	10/31/17	10/31/17	0.00	0.00	Packaging3		9-89
160	QC21-SA	10 Ea	10/31/17	10/31/17	0.00	0.00	QC21		17/11/14

Part Op 110 - Receive & Inspect for Damage & Mat'l Certs

Descriptions: 120 - QC6- All purchased or subcontracted products

122 - QC2- Inspect parts off machine FAI/FAIB

123 - QC8- Inspect parts - second check

140 - QC5- Inspect part completeness to step on W/O

150 - Identify as per dwg & Stock Location: _____

160 - QC21- Final Inspection - Work Order Release

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	101062B0160C270	10	0	0	0

Part Specifications

Specifications could not be found.

Plex 11/10/17 7:52 AM dart.boucher.sylvie

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																					
Date : _____	Step #: _____	QTY Effective : _____		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com																																																																			
Description Work Order Deviation																																																																							
S001757 Oil Drain Line PART NO: Revision: Operation: Quantity: Change No: D5373-11 Purchasing 10																																																																							
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Work Order ID 166342

166342

Page 1

Friday, September 15, 2017 1:15:02 PM

Item ID: D5373-11 *212* Accept ***N900040100*** Setup Start ***NS1***
Revision ID: URF 17-613 Stop ***NS2***
Item Name: Oil Drain Line
Start Date: 9/15/2017 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 9/22/2017 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: *DOB* Date: **SEP 15 2017** Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D5373	E								

100

0.00

100

Purchasing

Purchasing

★
pro

Memo

Issue P/O: *37817*
Purchase Part Number: 101062B0160CR270
Supplier: STRATOFLEX
Certificate of conformity is required

0.00

X need to check P/W

10 *DOB*

SEP 20 2017

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

10xSPN-10-23

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☒ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																																							
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Work Order ID 166342***166342***

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Friday, September 15, 2017 1:15:02 PM

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Item Name: Oil Drain Line
Start Date: 9/15/2017 Start Qty: 10.00 ***10*** Cust Item ID:
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- All purchased or subcontracted products Memo	0.00 0.00				<u>10</u>	<u>0</u>		DAS 38 9-89 NOT 26 2017
121 *121* HAAS 5AXIS HAAS CNC vertical machine #5	Memo 1- Drill lock wire hole per folio FB505 DWG REV: <u>E</u> FOLIO REV: <u> </u> 2- Deburr	0.00 0.00				<u>10</u>	<u>0</u>		DAS 20 9-89 17-11-02 DAS 49 9-89
122 *122* QC Quality Control	QC2- Inspect parts off machine FAI/FAIB Memo	0.00 0.00				<u>10</u>	<u>0</u>		DAS 20 9-89 17-11-02 DAS 49 9-89

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
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Past Expiry Date ☐	Manufacturing Process ☐								
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
123 *123* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00		De 17-11-07		10	0		
130 *130* Small Fab Small Fab	Memo INSTALL LABEL D2729 AS PER DWG NOTES	0.00 0.60							
140 *140* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				10			

DAS
38
9.88
NOV 10 2017

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER : ☐							

166342

Friday, September 15, 2017 1:15:02 PM

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run** **Start** ***NR1***
 QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** ***NR2***

[illegible]

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Page 1

Friday, September 15, 2017 1:15:01 PM

Work Order ID: 166342

166342

Parent Item: D5373-11

D5373-11

Parent Item Name: Oil Drain Line

Start Date: 9/15/2017

Required Date: 9/22/2017

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 17.05.17 NEW ISSUE DD VERF:JFS IPP
REV:B 17.09.15 AS PER DWG.E DD VERF:DP

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
101062B0160CR270		Purchased	No			100	Each	0.0000	1	10			
101062B0160CR270									**				
Oil Drain Line													
D2182-045		Manufactured	No			130	Each	0.0000	1	10			
D2182-045									**				
Heat Shrink 4.5" Long													
D2729-4		Manufactured	Yes			130	Each	0.0000	1	10			
D2729-4									**				
Red Decal													

① 3158**10x5 1710-23.****N/A****N/A**

DQA: _____ Date: _____



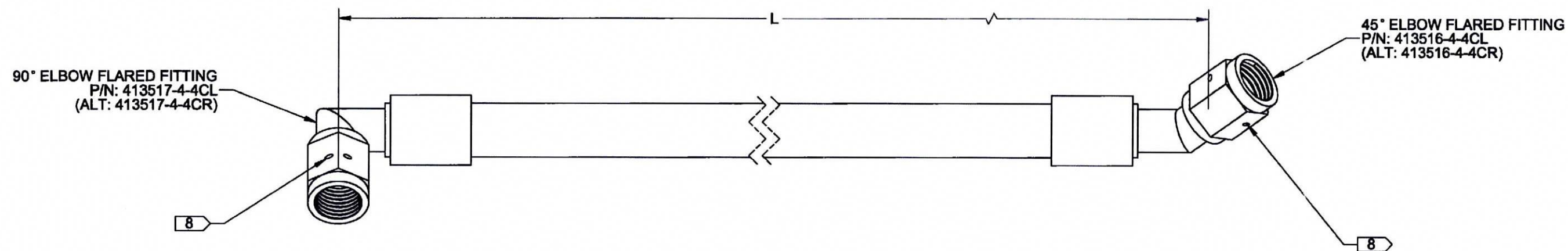
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☒ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Water Jet ☐ Engineering ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Quality ☐ Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐ Large Fab ☐ Composite ☐ Supplier ☐					
Date: 2017.11.09		Step #:		QTY Effective:			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition				Completed By DJS 12 9-89 12/11/9 Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
D2182-045 ^(0.75") Cannot be installed overtop of the hydraulic fittings				Acceptable to use D315B, same material, larger diameter (1.00") Will Mantenga 2017.11.09					
Root Cause Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☐ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ -Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER:									

SPECIFICATION CONTROL DRAWING



D5373-X - OIL DRAIN LINE

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-11	OIL DRAIN LINE	STRATOFLEX	101062B0160CL270	16	0.500	0.173	0.26	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
			ALT: 101062B0160CR270								

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE
- 8) FOR ALTERNATE PART NUMBERS (101062B0160CRXXX), DRILL LOCK-WIRE HOLES PER SHEET 6, DETAIL A

APPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	WK	EUGENE, OR	
CHECKED	VS	DRAWING NO.	REV. E
MFG. APPR.	DD	D5373	SHEET 5 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	17.09.11	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC.	

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Diane Baker

From: Robert Aboud
Sent: Wednesday, September 20, 2017 12:20 PM
To: Diane Baker
Cc: David Duval
Subject: FW: hose information
Attachments: parker hose spec.png

We can buy the C instead of CR

Rob Aboud

Director of Supply Chain

DART AEROSPACE

T 1-613-632-5200 Ext.244

M 1-514-979-6138

www.dartaerospace.com



From: Wade Kennedy
Sent: Wednesday, September 20, 2017 11:59 AM
To: Robert Aboud <raboud@dartaero.com>
Subject: hose information

Hello Robert,

The drawing is incorrect, the hose numbers are:

D5373-9 – 101062D0170C270

D5373-11 – 101062B0160C270

Wade

CR270

Ordering Information for Standard Items

1. HOSE ASSEMBLY:

STRAIGHT TO STRAIGHT (OR STRAIGHT TO SINGLE ELBOW) EXAMPLE:

101001-8CR-0185

Basic Hose Assembly Number

Size (1/2" O.D. Tube Size) In 1/16"

Assembly Length in Inches. The last digit specifies eighths of an inch.

See Material Note Below

DOUBLE ELBOW EXAMPLE: **101060E0185C180**

Basic Hose Assembly Number

Size (1/2" O.D. Tube Size) In 1/16"

Twist Angle (180° - See Page 4)

See Material Note Below

Assembly Length in Inches. The last digit specifies eighths of an inch.

SIZE CODE FOR DOUBLE ELBOW HOSE ASSEMBLIES

DASH SIZE	-3	-4	-5	-6	-8
SF CODE LETTER	A	B	C	D	E

MATERIAL: Unless otherwise noted, conforms to applicable typical specifications shown.

C or CR - Non-Brazed/Welded Parts - SAE 30304 (AMS5639) Other materials: Titanium, Inconel, etc, available.

Brazed/Welded Parts - SAE 30321 (AMS5557 or AMS5645)

CL - Same as CR except lockwire holes in nut

LENGTH MEASUREMENT - Length is measured along hose centerline from end of nipple to end of nipple

NOTE: For additional information on special materials or accessories not shown, contact Stratoflex.

NOTE: Unless otherwise noted, dimensions shown herein are nominal and are subject to change without notice. Contact Stratoflex Sales Order Department for current data.

2. IDENTIFICATION BANDS: An example of Identification bands used when required for Hose Assemblies confirming AS150.

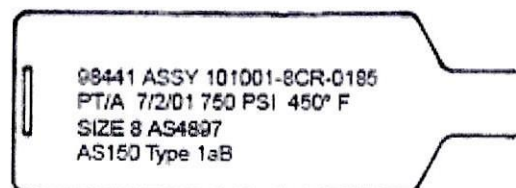
3. Standard length tolerances are:

Under 18 in.....+/- .125 in.

18 in. to 36 in.....+/- .250 in.

36 in. to 50 in.....+/- .500 in.

Over 50 in.....+/-1%





Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO37817

Supplier: AVI002-VU
Aviall
PO BOX 842275
Dallas, TX 75284-2275 USA
Phone: 905-676-1695
Fax: 905-676-9046

PO No: PO37817
PO Date: 9/20/17
Due Date: 10/20/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Pymt Terms: net 30
Freight Terms:
Special Comments:

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	101005-4CR-0062	-	Oil Drain Line		Firmed	10/20/17	10 pcs	0 pcs	10 pcs	\$108.12/pcs	\$1,081.20
Line Item Note As per Dwg D5373 Rev.E Job # 166339											
2	101005-6CR-0150	-	Oil Drain Line		Firmed	10/20/17	10 Ea	0 Ea	10 Ea	\$182.73/Ea	\$1,827.30
Line Item Note As per Dwg D5373 Rev E Job # 166340											
3	101062D0170C270	-	Oil Drain Line		Firmed	10/20/17	10 Ea	0 Ea	10 Ea	\$393.77/Ea	\$3,937.70
Line Item Note As per Dwg D5373 Rev.E Job 166341											
4	101062B0160C270	-	Oil Drain Line		Firmed	10/20/17	10 Ea	0 Ea	10 Ea	\$204.88/Ea	\$2,048.80
Line Item Note As per Dwg D5373 Rev. E Job # 166342											
Grand Total:											\$8,895.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



PACKING LIST



DELIVERY NUMBER: 8004975295

ROUTE: US FedEx International Priority

PAGE:1 of 1
DATE:27SEP17
TIME:07:49:26
EMP:00000000ORD TYP: ZOR 132
CURRENCY:USD
TERMS:Net 30CUSTOMER PO:37817
ORDER NUMBER:1003447157
ORDER DATE:22SEP17B 10003951
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
OS 10003951
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
OS 1009
H AVIALL DALLAS HOSE SHOP
I DALLAS HOSE SHOP
P 2755 REGENT BLVD
F DFW AIRPORT TX 75261
R USA
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
000010	0	1S	101005-4CR0062 HOSE: LT PRESSURE,PTFE	10	10	0	EA		108.12	1,081.20
			BATCH 100135185		10					
000020	0	1S	101005-6CR0150 HOSE: LT PRESSURE,PTFE	10	10	0	EA		182.73	1,827.30
			BATCH 100135186		10					
000030	0	1S	101062D0170C270 HOSE: LT PRESSURE,PTFE,ASSEMBLY	10	10	0	EA		393.77	3,937.70
			BATCH 100135187		10					
000040	0	1S	101062B0160C270 HOSE: LT PRESSURE,PTFE,ASSEMBLY	10	10	0	EA		204.88	2,048.80
			BATCH 100135188		10					

SEP 10 - 23

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

27SEP17
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

CUSTOMER COPY



Hose Shop 2755 Regent Blvd, Dfw Airport, TX 75261

Phone: 972-586-1380

Fax: 972-586-1381

WWW.AVIALL.COM

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such parts and/or materials are new and are in condition for safe operation.

Aviall Order Number: 1003447157

0010: 101005-4CR0062

10 ea.

0020: 101005-6CR0150

10 ea.

0030: 101062D0170C270

10 ea.

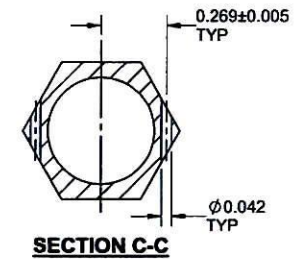
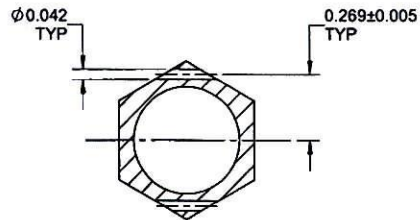
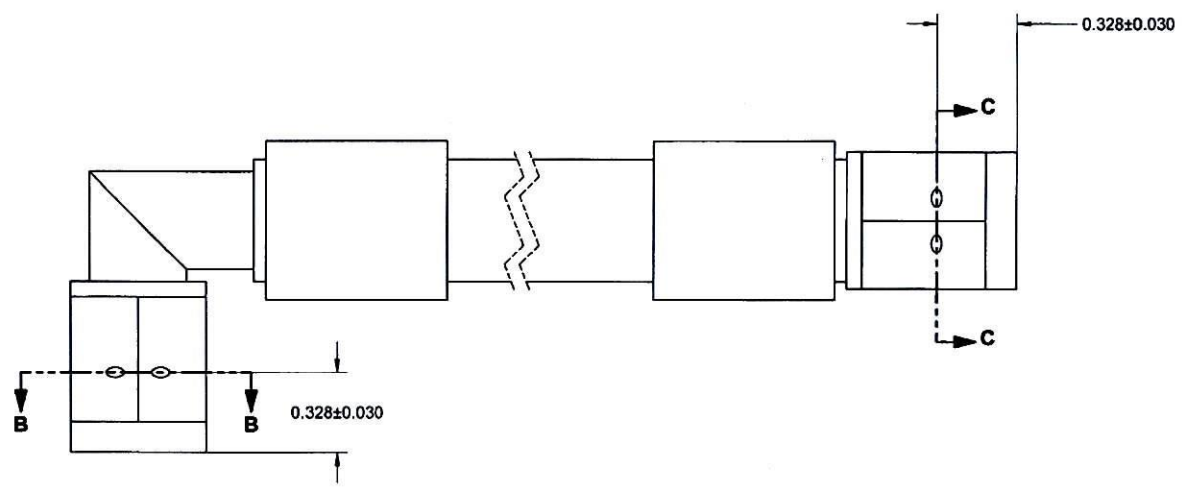
0040: 101062B0160C270 ✓

10 ea. ✓

Signed: _____

Date: 09/26/2017

Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.



DETAIL A - LOCKWIRE HOLES (TYPICAL FOR -4 FITTINGS)

RELEASED
2017-09-19

APPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	WK	EUGENE, OR, USA	
CHECKED	VS	DRAWING NO.	REV. E
MFG. APPR.	DD	D5373	SHEET 6 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	17.09.11	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

DQA: _____ Date: _____

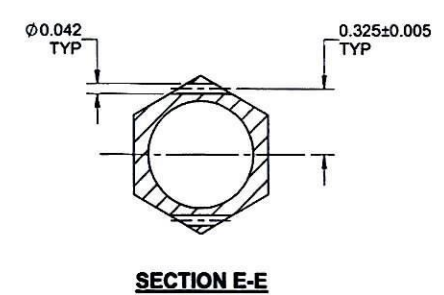
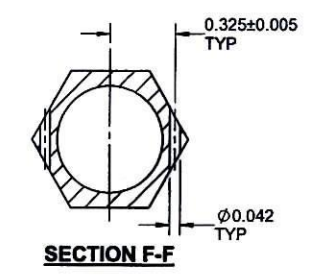
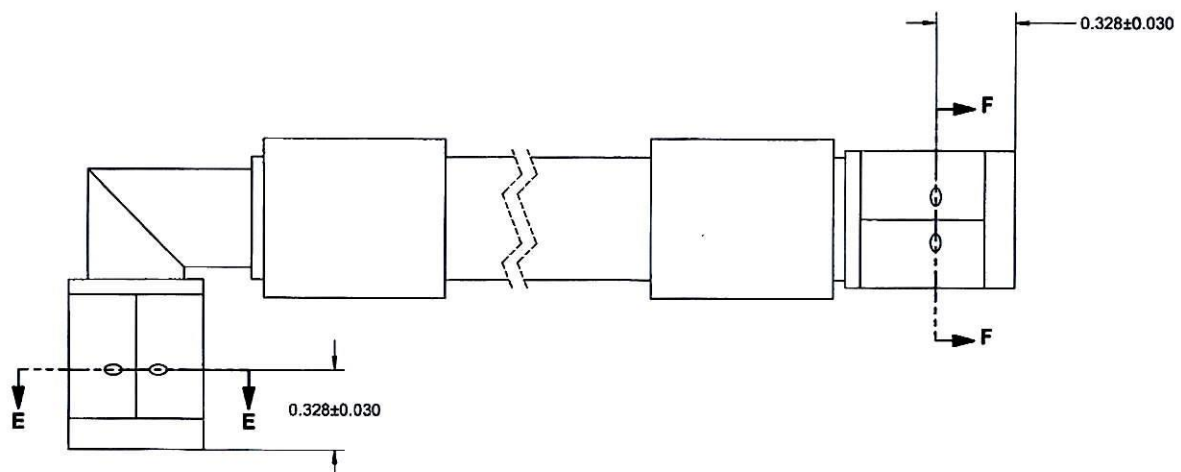


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																														
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Description Work Order Deviation			Disposition																																																																													
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DETAIL D - LOCKWIRE HOLES (TYPICAL FOR -6 FITTINGS)

RELEASED
2017-09-19

APPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	WK	EUGENE, OR, USA	
CHECKED	VS	DRAWING NO.	REV. E
MFG. APPR.	DD	D5373	SHEET 7 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	17.09.11	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
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